

2

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/944,396

DATE: 10/26/2001

TIME: 09:26:53

Input Set : N:\Crf3\temp\09944396.raw.txt

Output Set: N:\CRF3\10262001\I944396.raw

ENTERED

1 <110> APPLICANT: Baker, Kevin
2 Botstein, David
3 Eaton, Dan
4 Ferrara, Napoleone
5 Filvaroff, Ellen
6 Gerritsen, Mary
7 Goddard, Audrey
8 Godowski, Paul
9 Grimaldi, Christopher
10 Gurney, Austin
11 Hillan, Kenneth
12 Kljavin, Ivar
13 Napier, Mary
14 Roy, Margaret
15 Tumas, Daniel
16 Wood, William
17 <120> TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
18 ACIDS ENCODING THE SAME
19 <130> FILE REFERENCE: P2548P1C1
20 <140> CURRENT APPLICATION NUMBER: US/09/944,396
21 <141> CURRENT FILING DATE: 2001-09-26
22 <150> PRIOR APPLICATION NUMBER: 09/866,028
23 <151> PRIOR FILING DATE: 2001-05-25
24 <150> PRIOR APPLICATION NUMBER: 60/067,411
W--> 25 <151> PRIOR FILING DATE: December 3, 1997
26 <150> PRIOR APPLICATION NUMBER: 60/069,334
W--> 27 <151> PRIOR FILING DATE: December 11, 1997
28 <150> PRIOR APPLICATION NUMBER: 60/069335
W--> 29 <151> PRIOR FILING DATE: December 11, 1997
30 <150> PRIOR APPLICATION NUMBER: 60/069,278
W--> 31 <151> PRIOR FILING DATE: December 11, 1997
32 <150> PRIOR APPLICATION NUMBER: 60/069,425
W--> 33 <151> PRIOR FILING DATE: December 12, 1997
34 <150> PRIOR APPLICATION NUMBER: 60/069,696
W--> 35 <151> PRIOR FILING DATE: December 16, 1997
36 <150> PRIOR APPLICATION NUMBER: 60/069,694
W--> 37 <151> PRIOR FILING DATE: December 16, 1997
38 <150> PRIOR APPLICATION NUMBER: 60/069,702
W--> 39 <151> PRIOR FILING DATE: December 16, 1997
40 <150> PRIOR APPLICATION NUMBER: 60/069,870
W--> 41 <151> PRIOR FILING DATE: December 17, 1997
42 <150> PRIOR APPLICATION NUMBER: 60/069,873
W--> 43 <151> PRIOR FILING DATE: December 17, 1997
44 <150> PRIOR APPLICATION NUMBER: 60/068,017
W--> 45 <151> PRIOR FILING DATE: December 18, 1997
46 <150> PRIOR APPLICATION NUMBER: 60/070,440
W--> 47 <151> PRIOR FILING DATE: January 5, 1998

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/944,396

DATE: 10/26/2001
TIME: 09:26:53

Input Set : N:\Crif3\temp\09944396.raw.txt
Output Set: N:\CRF3\10262001\I944396.raw

48 <150> PRIOR APPLICATION NUMBER: 60/074,086
W--> 49 <151> PRIOR FILING DATE: February 9, 1998
50 <150> PRIOR APPLICATION NUMBER: 60/074,092
W--> 51 <151> PRIOR FILING DATE: February 9, 1998
52 <150> PRIOR APPLICATION NUMBER: 60/075,945
W--> 53 <151> PRIOR FILING DATE: February 25, 1998
54 <150> PRIOR APPLICATION NUMBER: 60/112,850
W--> 55 <151> PRIOR FILING DATE: December 16, 1998
56 <150> PRIOR APPLICATION NUMBER: 60/113,296
W--> 57 <151> PRIOR FILING DATE: December 22, 1998
58 <150> PRIOR APPLICATION NUMBER: 60/146,222
W--> 59 <151> PRIOR FILING DATE: July 28, 1999
60 <150> PRIOR APPLICATION NUMBER: PCT/US98/19330
W--> 61 <151> PRIOR FILING DATE: September 16, 1998
62 <150> PRIOR APPLICATION NUMBER: PCT/US98/25108
W--> 63 <151> PRIOR FILING DATE: December 1, 1998
64 <150> PRIOR APPLICATION NUMBER: 09/216,021
W--> 65 <151> PRIOR FILING DATE: December 16, 1998
66 <150> PRIOR APPLICATION NUMBER: 09/218,517
W--> 67 <151> PRIOR FILING DATE: December 22, 1998
68 <150> PRIOR APPLICATION NUMBER: 09/254,311
W--> 69 <151> PRIOR FILING DATE: March 3, 1999
70 <150> PRIOR APPLICATION NUMBER: PCT/US99/12252
W--> 71 <151> PRIOR FILING DATE: June 22, 1999
72 <150> PRIOR APPLICATION NUMBER: PCT/US99/21090
W--> 73 <151> PRIOR FILING DATE: September 15, 1999
74 <150> PRIOR APPLICATION NUMBER: PCT/US99/28409
W--> 75 <151> PRIOR FILING DATE: November 30, 1999
76 <150> PRIOR APPLICATION NUMBER: PCT/US99/28313
W--> 77 <151> PRIOR FILING DATE: November 30, 1999
78 <150> PRIOR APPLICATION NUMBER: PCT/US99/28301
W--> 79 <151> PRIOR FILING DATE: December 1, 1999
80 <150> PRIOR APPLICATION NUMBER: PCT/US99/30095
W--> 81 <151> PRIOR FILING DATE: December 16, 1999
82 <150> PRIOR APPLICATION NUMBER: PCT/US00/03565
W--> 83 <151> PRIOR FILING DATE: February 11, 2000
84 <150> PRIOR APPLICATION NUMBER: PCT/US00/04414
W--> 85 <151> PRIOR FILING DATE: February 22, 2000
86 <150> PRIOR APPLICATION NUMBER: PCT/US00/05841
W--> 87 <151> PRIOR FILING DATE: March 2, 2000
88 <150> PRIOR APPLICATION NUMBER: PCT/US00/08439
W--> 89 <151> PRIOR FILING DATE: March 30, 2000
90 <150> PRIOR APPLICATION NUMBER: PCT/US00/14042
W--> 91 <151> PRIOR FILING DATE: May 22, 2000
92 <150> PRIOR APPLICATION NUMBER: PCT/US00/20710
W--> 93 <151> PRIOR FILING DATE: July 28, 2000
94 <150> PRIOR APPLICATION NUMBER: PCT/US00/32678
W--> 95 <151> PRIOR FILING DATE: December 1, 2000
96 <150> PRIOR APPLICATION NUMBER: PCT/US01/06520

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/944,396

DATE: 10/26/2001

TIME: 09:26:53

Input Set : N:\Cr3\temp\09944396.raw.txt
 Output Set: N:\CRF3\10262001\I944396.raw

W--> 97 <151> PRIOR FILING DATE: February 28, 2001

98 <160> NUMBER OF SEQ ID NOS: 120

100 <210> SEQ ID NO: 1

101 <211> LENGTH: 2454

102 <212> TYPE: DNA

103 <213> ORGANISM: Homo Sapien

104 <400> SEQUENCE: 1

```

105      ggactaatct gtgggagcag tttattccag tatcaccag ggtgcagcca 50
106      caccaggact gtgttgaagg gtgttttttt tcttttaaata gtaataacctc 100
107      ctcatctttt cttcttacac agtgtctgag aacattttaca ttatagataa 150
108      gtagtacatg gtggataact tctactttta ggaggactac tctcttctga 200
109      cagtcctaga ctgggtcttct acactaagac accatgaagg agtatgtgct 250
110      cctattattc ctggctttgt gctctgccaa acccttcttt agcccttcac 300
111      acatgcgact gaagaatatg atgctgaagg atatggaaga cacagatgat 350
112      gatgatgatg atgatgatga tgatgatgat gatgaggaca actctctttt 400
113      tccaacaaga gagccaagaa gccatttttt tccatttgat ctgtttccaa 450
114      tgtgtccatt tggatgtcag tgctattcac gagttgtaca ttgctcagat 500
115      ttaggtttga cctcagtcac aaccaacatt ccatttgata ctgcaatgct 550
116      tgatcttcaa aacaataaaa ttaaggaaat caaagaaaat gatttttaaag 600
117      gactcacttc actttatggt ctgacccgta acaacaacaa gctaacgaag 650
118      attcacccaa aagcctttct aaccacaaag aagttgcgaa ggctgtatct 700
119      gtcccacaat caactaagtg aaataccact taatcttccc aaatcattag 750
120      cagaactcag aattcatgaa aataaagtta agaaaataca aaaggacaca 800
121      ttcaaaggaa tgaatgcttt acacgttttg gaaatgagtg caaacccctct 850
122      tgataataat gggatagagc caggggcatt tgaaggggtg acggtgttcc 900
123      atatcagaat tgcagaagca aaactgacct cagttcctaa aggcttacca 950
124      ccaactttat tggagcttca cttagattat aataaaaattt caacagtgga 1000
125      acttgaggat tttaaactgat acaaagaact acaaaggctg ggcctaggaa 1050
126      acaacaaaat cacagatatc gaaaatggga gtcttgctaa cataccacgt 1100
127      gtgagagaaa tacatttgga aaacaataaa ctataaaaaaa tcccttcagg 1150
128      attaccagag ttgaaatacc tccagataat cttccttcat tctaattcaa 1200
129      ttgcaagagt gggagtaaat gacttctgtc caacagtgcc aaagatgaag 1250
130      aaatctttat acagtgcatt aagttttatt aacaaccggg tgaaatactg 1300
131      ggaaatgcaa cctgcaacat ttggttgtgt tttgagcaga atgagtgttc 1350
132      agcttgggaa ctttggaatg taataattag taattggtaa tgtccattta 1400
133      atataagatt caaaaatccc tacatttgga atacttgaac tctattaata 1450
134      atggtagtat tatatatata agcaaataatc tattctcaag tggttaagtcc 1500
135      actgacttat tttatgacaa gaaatttcaa cggaattttg ccaaactatt 1550
136      gatacataag ggggtgagag aaacaagcat ctattgcagt ttcttttttg 1600
137      cgtacaaatg atcttacata aatctcatgc ttgaccattc ctttcttcat 1650
138      aacaaaaaag taagatatc ggtatttaac actttgttat caagcacatt 1700
139      ttaaaaagaa ctgtactgta aatggaatgc ttgacttagc aaaatttggtg 1750
140      ctctttcatt tgctgttaga aaaacagaat taacaaagac agtaatgtga 1800
141      agagtgcatt acactattct tattctttag taacttgggt agtactgtaa 1850
142      tatttttaat catcttaaag tatgatttga tataatctta ttgaaattac 1900
143      cttatcatgt cttagagccc gtctttatgt ttaaaactaa tttcttaaaa 1950
144      taaagccttc agtaaatggt cattaccaac ttgataaatg ctactcataa 2000
145      gagctgggtt ggggctatag catatgcttt ttttttttta attattacct 2050
146      gatttaaaaa tctctgtaaa aacgtgtagt gtttcataaa atctgtaact 2100

```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/944,396

DATE: 10/26/2001
TIME: 09:26:53

Input Set : N:\Crf3\temp\09944396.raw.txt
Output Set: N:\CRF3\10262001\I944396.raw

```

147      cgcattttaa tgatccgcta ttataagctt ttaatagcat gaaaattgtt 2150
148      aggctatata acattgccac ttcaactcta aggaatattt ttgagatatc 2200
149      cctttggaag accttgcttg gaagagcctg gacactaaca attctacacc 2250
150      aaattgtctc ttcaaatacg tatggactgg ataactctga gaaacacatc 2300
151      tagtataact gaataagcag agcatcaaat taaacagaca gaaaccgaaa 2350
152      gctctatata aatgctcaga gttcttttat tatttcttat tggcattcaa 2400
153      catatgtaaa atcagaaaac agggaaattt tcattaaaaa tattggtttg 2450
154      aaat 2454
156 <210> SEQ ID NO: 2
157 <211> LENGTH: 379
158 <212> TYPE: PRT
159 <213> ORGANISM: Homo Sapien
160 <400> SEQUENCE: 2
161      Met Lys Glu Tyr Val Leu Leu Leu Phe Leu Ala Leu Cys Ser Ala
162      1 5 10 15
163      Lys Pro Phe Phe Ser Pro Ser His Ile Ala Leu Lys Asn Met Met
164      20 25 30
165      Leu Lys Asp Met Glu Asp Thr Asp Asp Asp Asp Asp Asp Asp
166      35 40 45
167      Asp Asp Asp Asp Asp Glu Asp Asn Ser Leu Phe Pro Thr Arg Glu
168      50 55 60
169      Pro Arg Ser His Phe Phe Pro Phe Asp Leu Phe Pro Met Cys Pro
170      65 70 75
171      Phe Gly Cys Gln Cys Tyr Ser Arg Val Val His Cys Ser Asp Leu
172      80 85 90
173      Gly Leu Thr Ser Val Pro Thr Asn Ile Pro Phe Asp Thr Arg Met
174      95 100 105
175      Leu Asp Leu Gln Asn Asn Lys Ile Lys Glu Ile Lys Glu Asn Asp
176      110 115 120
177      Phe Lys Gly Leu Thr Ser Leu Tyr Gly Leu Ile Leu Asn Asn Asn
178      125 130 135
179      Lys Leu Thr Lys Ile His Pro Lys Ala Phe Leu Thr Thr Lys Lys
180      140 145 150
181      Leu Arg Arg Leu Tyr Leu Ser His Asn Gln Leu Ser Glu Ile Pro
182      155 160 165
183      Leu Asn Leu Pro Lys Ser Leu Ala Glu Leu Arg Ile His Glu Asn
184      170 175 180
185      Lys Val Lys Lys Ile Gln Lys Asp Thr Phe Lys Gly Met Asn Ala
186      185 190 195
187      Leu His Val Leu Glu Met Ser Ala Asn Pro Leu Asp Asn Asn Gly
188      200 205 210
189      Ile Glu Pro Gly Ala Phe Glu Gly Val Thr Val Phe His Ile Arg
190      215 220 225
191      Ile Ala Glu Ala Lys Leu Thr Ser Val Pro Lys Gly Leu Pro Pro
192      230 235 240
193      Thr Leu Leu Glu Leu His Leu Asp Tyr Asn Lys Ile Ser Thr Val
194      245 250 255
195      Glu Leu Glu Asp Phe Lys Arg Tyr Lys Glu Leu Gln Arg Leu Gly
196      260 265 270

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/944,396

DATE: 10/26/2001

TIME: 09:26:53

Input Set : N:\Crf3\temp\09944396.raw.txt

Output Set: N:\CRF3\10262001\I944396.raw

```

197      Leu Gly Asn Asn Lys Ile Thr Asp Ile Glu Asn Gly Ser Leu Ala
198                      275                      280                      285
199      Asn Ile Pro Arg Val Arg Glu Ile His Leu Glu Asn Asn Lys Leu
200                      290                      295                      300
201      Lys Lys Ile Pro Ser Gly Leu Pro Glu Leu Lys Tyr Leu Gln Ile
202                      305                      310                      315
203      Ile Phe Leu His Ser Asn Ser Ile Ala Arg Val Gly Val Asn Asp
204                      320                      325                      330
205      Phe Cys Pro Thr Val Pro Lys Met Lys Lys Ser Leu Tyr Ser Ala
206                      335                      340                      345
207      Ile Ser Leu Phe Asn Asn Pro Val Lys Tyr Trp Glu Met Gln Pro
208                      350                      355                      360
209      Ala Thr Phe Arg Cys Val Leu Ser Arg Met Ser Val Gln Leu Gly
210                      365                      370                      375
211      Asn Phe Gly Met
213 <210> SEQ ID NO: 3
214 <211> LENGTH: 20
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
219 <400> SEQUENCE: 3
220      ggaaatgagt gcaaaccctc 20
222 <210> SEQ ID NO: 4
223 <211> LENGTH: 24
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
228 <400> SEQUENCE: 4
229      tcccaagctg aacactcatt ctgc 24
231 <210> SEQ ID NO: 5
232 <211> LENGTH: 50
233 <212> TYPE: DNA
234 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
237 <400> SEQUENCE: 5
238      gggtgacggt gttccatata agaattgcag aagcaaaact gacctcagtt 50
240 <210> SEQ ID NO: 6
241 <211> LENGTH: 3441
242 <212> TYPE: DNA
243 <213> ORGANISM: Homo Sapien
244 <400> SEQUENCE: 6
245      cggacgcgtg ggcggacgcg tgggcccgcg gcaccgcccc cggcccggcc 50
246      ctccgcccctc cgcactcgcg cctccctccc tccgcccgtc cccgcgccct 100
247      cctccctccc tctcccccag ctgtcccgtt cgcgtcatgc cgagcctccc 150
248      ggccccgccg gccccgctgc tgctcctcgg gctgctgctg ctcggtctcc 200
249      ggccggcccc cggcgcggcg ccagagcccc ccgtgctgcc catccgttct 250

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/944,396

DATE: 10/26/2001

TIME: 09:26:54

Input Set : N:\Crf3\temp\09944396.raw.txt

Output Set: N:\CRF3\10262001\I944396.raw

L:25 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:27 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:29 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:31 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:33 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:35 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:37 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:39 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:41 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:43 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:45 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:47 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:49 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:51 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:53 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:55 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:57 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:59 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:61 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:63 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:65 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:67 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:69 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:71 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:73 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:75 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:77 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:79 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:81 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:83 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:85 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:87 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:89 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:91 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:93 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:95 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:97 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD